

CLAIMS

The original and previously presented claims are as follows:

Claims 1-32 have been cancelled.

33. (Previously Presented) An apparatus for providing a web page for a device that is a copier, the apparatus comprising:

a memory configured to perform copier-specific functions and web server functions, wherein the web server functions include generating a web page that enables copier control functions;

a processor configured to perform copier-specific functions and web server functions, wherein the web server functions include generating the web page that enables copier control functions, the processor being coupled to the memory;

software or firmware executed by the processor to service HTTP protocol and to generate HTML files;

input/output circuitry coupled to the processor; and

wherein the apparatus is embedded in the copier.

34. (Previously Presented) The apparatus of claim 33 further comprising copier-specific hardware coupled to the processor.

35. (Previously Presented) The apparatus of claim 33 wherein the processor also performs control and information monitoring and logging functions.

36. (Previously Presented) The apparatus of claim 33 wherein the processor executes communication software or firmware to drive the input/output circuitry.

37. (Previously Presented) The apparatus of claim 33 wherein the memory and the processor are on a single integrated circuit chip.

38. (Previously Presented) The apparatus of claim 33 wherein the memory and the processor are on a single integrated circuit chip, and wherein the input/output circuitry includes hardware that is on the single integrated circuit chip.

39. (Previously Presented) The apparatus of claim 33 wherein the memory is static memory.
40. (Previously Presented) The apparatus of claim 33 wherein the memory is random access memory.
41. (Previously Presented) The apparatus of claim 33 wherein the web page is stored in the memory in HTML format.
42. (Previously Presented) The apparatus of claim 33 wherein the web page is generated on the fly.
43. (Previously Presented) The apparatus of claim 33 wherein the input/output circuitry is cellular transmitter/receiver circuitry.
44. (Previously Presented) The apparatus of claim 33 wherein the input/output circuitry is Ethernet input/output circuitry that is used to transfer HTML files.
45. (Previously Presented) The apparatus of claim 33 wherein the web page includes a page title, a header section, a set of ASCII text, a table section, and a set of hyperlinks.
46. (Previously Presented) The apparatus of claim 33 wherein the web page includes multimedia files.
47. (Previously Presented) The apparatus of claim 33 wherein the memory includes nonvolatile memory, and wherein the web page includes a manual that is stored the nonvolatile memory.
48. (Previously Presented) The apparatus of claim 33 wherein the web page includes a hyperlink to an updated manual.
49. (Previously Presented) The apparatus of claim 33 wherein the web page includes a hyperlink to an updated software driver routine.
50. (Previously Presented) An apparatus for providing a web page for a device that is a printer, the apparatus comprising:

a memory configured to perform printer-specific functions and web server functions, wherein the web server functions include generating a web page that enables printer control functions;

a processor configured to perform printer-specific functions and web server functions, wherein the web server functions include generating the web page that enables printer control functions, the processor being coupled to the memory;

software or firmware executed by the processor to service HTTP protocol and to generate HTML files;

input/output circuitry coupled to the processor; and

wherein the apparatus is embedded in the printer.

51. (Previously Presented) The apparatus of claim 50 wherein the memory and the processor perform image rendering functions.

52. (Previously Presented) The apparatus of claim 50 wherein the web page includes hyperlinks for printer support functions, including information regarding ordering printer supplies.

53. (Previously Presented) The apparatus of claim 50 wherein the printer web page includes a printer name, an administrator, and a location for the printer.

54. (Previously Presented) The apparatus of claim 50 further comprising printer-specific hardware coupled to the processor.

55. (Previously Presented) The apparatus of claim 50 wherein the processor also performs control and information monitoring and logging functions.

56. (Previously Presented) The apparatus of claim 50 wherein the processor executes communication software or firmware to drive the input/output circuitry.

57. (Previously Presented) The apparatus of claim 50 wherein the memory and the processor are on a single integrated circuit chip.

58. (Previously Presented) The apparatus of claim 50 wherein the memory and the processor are on a single integrated circuit chip, and wherein the

input/output circuitry includes hardware that is on the single integrated circuit chip.

59. (Previously Presented) The apparatus of claim 50 wherein the web page is stored in the memory in HTML format.

60. (Previously Presented) The apparatus of claim 50 wherein the web page is generated on the fly.

61. (Previously Presented) The apparatus of claim 50 wherein the input/output circuitry is cellular transmitter/receiver circuitry.

62. (Previously Presented) The apparatus of claim 50 wherein the input/output circuitry is Ethernet input/output circuitry that is used to transfer HTML files.

63. (Previously Presented) The apparatus of claim 50 wherein the web page includes a hyperlink to an updated manual.

64. (Previously Presented) The apparatus of claim 50 wherein the web page includes a hyperlink to an updated software driver routine.

65. (Previously Presented) An apparatus for providing a web page for a device that is a fax machine, the apparatus comprising:

- a memory configured to perform fax machine-specific functions and web server functions, wherein the web server functions include generating a web page that enables fax machine control functions;

- a processor configured to perform fax machine-specific functions and web server functions, wherein the web server functions include generating the web page that enables fax machine control functions, the processor being coupled to the memory;

- software or firmware executed by the processor to service HTTP protocol and to generate HTML files;

- input/output circuitry coupled to the processor; and

- wherein the apparatus is embedded in the fax machine.

66. (Previously Presented) The apparatus of claim 65 further comprising fax machine-specific hardware coupled to the processor.

67. (Previously Presented) The apparatus of claim 65 wherein the processor also performs control and information monitoring and logging functions.
68. (Previously Presented) The apparatus of claim 65 wherein the processor executes communication software or firmware to drive the input/output circuitry.
69. (Previously Presented) The apparatus of claim 65 wherein the memory and the processor are on a single integrated circuit chip.
70. (Previously Presented) The apparatus of claim 65 wherein the memory and the processor are on a single integrated circuit chip, and wherein the input/output circuitry includes hardware that is on the single integrated circuit chip.
71. (Previously Presented) The apparatus of claim 65 wherein the web page is stored in the memory in HTML format.
72. (Previously Presented) The apparatus of claim 65 wherein the web page is generated on the fly.
73. (Previously Presented) The apparatus of claim 65 wherein the input/output circuitry is cellular transmitter/receiver circuitry.
74. (Previously Presented) The apparatus of claim 65 wherein the input/output circuitry is Ethernet input/output circuitry that is used to transfer HTML files.
75. (Previously Presented) The apparatus of claim 65 wherein the web page includes a hyperlink to an updated manual.
76. (Previously Presented) The apparatus of claim 65 wherein the web page includes a hyperlink to an updated software driver routine.
77. (Previously Presented) An apparatus for providing a web page for a device that is a video player that reads video and audio information from a storage medium, the apparatus comprising:

a memory configured to perform video player-specific functions and web server functions, wherein the web server functions include generating a web page that enables video player control functions;

a processor configured to perform video player-specific functions and web server functions, wherein the web server functions include generating the web page that enables video player control functions, the processor being coupled to the memory;

software or firmware executed by the processor to service HTTP protocol and to generate HTML files;

input/output circuitry coupled to the processor; and

wherein the apparatus is embedded in the video player.

78. (Previously Presented) The apparatus of claim 77 wherein the storage medium is an optical storage medium.

79. (Previously Presented) The apparatus of claim 77 wherein the storage medium is magnetic tape.

80. (Previously Presented) The apparatus of claim 77 wherein the video player is a video player/recorder that reads and writes video and audio information to an optical storage medium.

81. (Previously Presented) The apparatus of claim 77 wherein the video player is a video player/recorder that reads and writes video and audio information to a magnetic tape storage medium.

82. (Previously Presented) The apparatus of claim 77 further comprising video player-specific hardware coupled to the processor.

83. (Previously Presented) The apparatus of claim 77 further comprising video player-specific hardware coupled to the processor, wherein the video player-specific hardware includes a motor.

84. (Previously Presented) The apparatus of claim 77 wherein the processor also performs control and information monitoring and logging functions.

85. (Previously Presented) The apparatus of claim 77 wherein the processor executes communication software or firmware to drive the input/output circuitry.

86. (Previously Presented) The apparatus of claim 77 wherein the memory and the processor are on a single integrated circuit chip.
87. (Previously Presented) The apparatus of claim 77 wherein the memory and the processor are on a single integrated circuit chip, and wherein the input/output circuitry includes hardware that is on the single integrated circuit chip.
88. (Previously Presented) The apparatus of claim 77 wherein the web page is stored in the memory in HTML format.
89. (Previously Presented) The apparatus of claim 77 wherein the web page is generated on the fly.
90. (Previously Presented) The apparatus of claim 77 wherein the input/output circuitry is cellular transmitter/receiver circuitry.
91. (Previously Presented) The apparatus of claim 77 wherein the input/output circuitry is Ethernet input/output circuitry that is used to transfer HTML files.
92. (Previously Presented) The apparatus of claim 77 wherein the web page includes a hyperlink to an updated manual.
93. (Previously Presented) The apparatus of claim 77 wherein the web page includes a hyperlink to an updated software driver routine.
94. (Previously Presented) An apparatus for providing a web page for a device that is a television, the apparatus comprising:
a memory configured to perform television-specific functions and web server functions, wherein the web server functions include generating a web page that enables television control functions;
a processor configured to perform television-specific functions and web server functions, wherein the web server functions include generating the web page that enables television control functions, the processor being coupled to the memory;
software or firmware executed by the processor to service HTTP protocol and to generate HTML files;

input/output circuitry coupled to the processor; and
wherein the apparatus is embedded in the television.

95. (Previously Presented) The apparatus of claim 94 further comprising television-specific hardware coupled to the processor.

96. (Previously Presented) The apparatus of claim 94 wherein the processor also performs control and information monitoring and logging functions.

97. (Previously Presented) The apparatus of claim 94 wherein the processor executes communication software or firmware to drive the input/output circuitry.

98. (Previously Presented) The apparatus of claim 94 wherein the memory and the processor are on a single integrated circuit chip.

99. (Previously Presented) The apparatus of claim 94 wherein the memory and the processor are on a single integrated circuit chip, and wherein the input/output circuitry includes hardware that is on the single integrated circuit chip.

100. (Previously Presented) The apparatus of claim 94 wherein the web page is stored in the memory in HTML format.

101. (Previously Presented) The apparatus of claim 94 wherein the web page is generated on the fly.

102. (Previously Presented) The apparatus of claim 94 wherein the input/output circuitry is cellular transmitter/receiver circuitry.

103. (Previously Presented) The apparatus of claim 94 wherein the input/output circuitry is Ethernet input/output circuitry that is used to transfer HTML files.

104. (Previously Presented) The apparatus of claim 94 wherein the web page includes a hyperlink to an updated manual.

105. (Previously Presented) The apparatus of claim 94 wherein the web page includes a hyperlink to an updated software driver routine.

106. (Previously Presented) An apparatus for providing a web page for a device that is a thermostat, the apparatus comprising:
- a memory configured to perform thermostat-specific functions and web server functions, wherein the web server functions include generating a web page that enables thermostat control functions;
 - a processor configured to perform thermostat-specific functions and web server functions, wherein the web server functions include generating the web page
- that enables thermostat control functions, the processor being coupled to the memory;
- software or firmware executed by the processor to service HTTP protocol and to generate HTML files;
 - input/output circuitry coupled to the processor; and
- wherein the apparatus is embedded in the thermostat.
107. (Previously Presented) The apparatus of claim 106 further comprising thermostat-specific hardware coupled to the processor.
108. (Previously Presented) The apparatus of claim 106 wherein the processor also performs control and information monitoring and logging functions.
109. (Previously Presented) The apparatus of claim 106 wherein the processor executes communication software or firmware to drive the input/output circuitry.
110. (Previously Presented) The apparatus of claim 106 wherein the memory and the processor are on a single integrated circuit chip.
111. (Previously Presented) The apparatus of claim 106 wherein the memory and the processor are on a single integrated circuit chip, and wherein the input/output circuitry includes hardware that is on the single integrated circuit chip.
112. (Previously Presented) The apparatus of claim 106 wherein the web page is stored in the memory in HTML format.

113. (Previously Presented) The apparatus of claim 106 wherein the web page is generated on the fly.
114. (Previously Presented) The apparatus of claim 106 wherein the input/output circuitry is cellular transmitter/receiver circuitry.
115. (Previously Presented) The apparatus of claim 106 wherein the input/output circuitry is Ethernet input/output circuitry that is used to transfer HTML files.
116. (Previously Presented) The apparatus of claim 106 wherein the web page includes a hyperlink to an updated manual.
117. (Previously Presented) The apparatus of claim 106 wherein the web page includes a hyperlink to an updated software driver routine.
118. (Previously Presented) An apparatus for providing a web page for a device that is a refrigerator, the apparatus comprising:
- a memory configured to perform refrigerator-specific functions and web server functions, wherein the web server functions include generating a web page that enables refrigerator control functions;
 - a processor configured to perform refrigerator-specific functions and web server functions, wherein the web server functions include generating the web page that enables refrigerator control functions, the processor being coupled to the memory;
 - software or firmware executed by the processor to service HTTP protocol and to generate HTML files;
 - input/output circuitry coupled to the processor; and
 - wherein the apparatus is embedded in the refrigerator.
119. (Previously Presented) The apparatus of claim 118 further comprising refrigerator-specific hardware coupled to the processor.
120. (Previously Presented) The apparatus of claim 118 wherein the processor also performs control and information monitoring and logging functions.

121. (Previously Presented) The apparatus of claim 118 wherein the processor executes communication software or firmware to drive the input/output circuitry.
122. (Previously Presented) The apparatus of claim 118 wherein the memory and the processor are on a single integrated circuit chip.
123. (Previously Presented) The apparatus of claim 118 wherein the memory and the processor are on a single integrated circuit chip, and wherein the input/output circuitry includes hardware that is on the single integrated circuit chip.
124. (Previously Presented) The apparatus of claim 118 wherein the web page is stored in the memory in HTML format.
125. (Previously Presented) The apparatus of claim 118 wherein the web page is generated on the fly.
126. (Previously Presented) The apparatus of claim 118 wherein the input/output circuitry is cellular transmitter/receiver circuitry.
127. (Previously Presented) The apparatus of claim 118 wherein the input/output circuitry is Ethernet input/output circuitry that is used to transfer HTML files.
128. (Previously Presented) The apparatus of claim 118 wherein the web page includes a hyperlink to an updated manual.
129. (Previously Presented) The apparatus of claim 118 wherein the web page includes a hyperlink to an updated software driver routine.
130. (Previously Presented) An apparatus for providing a web page for a device that is a washing machine, the apparatus comprising:
a memory configured to perform washing machine-specific functions and web server functions, wherein the web server functions include generating a web page that enables washing machine control functions;
a processor configured to perform washing machine-specific functions and web server functions, wherein the web server functions include generating

the web page that enables washing machine control functions, the processor being coupled to the memory;

software or firmware executed by the processor to service HTTP protocol and to generate HTML files;

input/output circuitry coupled to the processor; and

wherein the apparatus is embedded in the washing machine.

131. (Previously Presented) The apparatus of claim 130 further comprising washing machine-specific hardware coupled to the processor.

132. (Previously Presented) The apparatus of claim 130 wherein the processor also performs control and information monitoring and logging functions.

133. (Previously Presented) The apparatus of claim 130 wherein the processor executes communication software or firmware to drive the input/output circuitry.

134. (Previously Presented) The apparatus of claim 130 wherein the memory and the processor are on a single integrated circuit chip.

135. (Previously Presented) The apparatus of claim 130 wherein the memory and the processor are on a single integrated circuit chip, and wherein the input/output circuitry includes hardware that is on the single integrated circuit chip.

136. (Previously Presented) The apparatus of claim 130 wherein the web page is stored in the memory in HTML format.

137. (Previously Presented) The apparatus of claim 130 wherein the web page is generated on the fly.

138. (Previously Presented) The apparatus of claim 130 wherein the input/output circuitry is cellular transmitter/receiver circuitry.

139. (Previously Presented) The apparatus of claim 130 wherein the input/output circuitry is Ethernet input/output circuitry that is used to transfer HTML files.

140. (Previously Presented) The apparatus of claim 130 wherein the web page includes a hyperlink to an updated manual.

141. (Previously Presented) The apparatus of claim 130 wherein the web page includes a hyperlink to an updated software driver routine.

142. (Previously Presented) An apparatus for providing a web page for a device that is a disk drive, the apparatus comprising:

- a memory configured to perform disk drive-specific functions and web server functions, wherein the web server functions include generating a web page that enables disk drive control functions;

- a processor configured to perform disk drive-specific functions and web server functions, wherein the web server functions include generating the web page that enables disk drive control functions, the processor being coupled to the memory;

- software or firmware executed by the processor to service HTTP protocol and to generate HTML files;

- input/output circuitry coupled to the processor; and

- wherein the apparatus is embedded in the disk drive.

143. (Previously Presented) The apparatus of claim 142 further comprising disk drive-specific hardware coupled to the processor.

144. (Previously Presented) The apparatus of claim 142 wherein the processor also performs control and information monitoring and logging functions.

145. (Previously Presented) The apparatus of claim 142 wherein the processor executes communication software or firmware to drive the input/output circuitry.

146. (Previously Presented) The apparatus of claim 142 wherein the memory and the processor are on a single integrated circuit chip.

147. (Previously Presented) The apparatus of claim 142 wherein the memory and the processor are on a single integrated circuit chip, and wherein the input/output circuitry includes hardware that is on the single integrated circuit chip.

148. (Previously Presented) The apparatus of claim 142 wherein the web page is stored in the memory in HTML format.
149. (Previously Presented) The apparatus of claim 142 wherein the web page is generated on the fly.
150. (Previously Presented) The apparatus of claim 142 wherein the input/output circuitry is cellular transmitter/receiver circuitry.
151. (Previously Presented) The apparatus of claim 142 wherein the input/output circuitry is Ethernet input/output circuitry that is used to transfer HTML files.
152. (Previously Presented) The apparatus of claim 142 wherein the web page includes a hyperlink to an updated manual.
153. (Previously Presented) The apparatus of claim 142 wherein the web page includes a hyperlink to an updated software driver routine.
154. (Previously Presented) An apparatus for providing a web page for a device that is an oscilloscope, the apparatus comprising:
a memory configured to perform oscilloscope-specific functions and web server functions, wherein the web server functions include generating a web page that enables oscilloscope control functions;
a processor configured to perform oscilloscope-specific functions and web server functions, wherein the web server functions include generating the web page that enables oscilloscope control functions, the processor being coupled to the memory;
software or firmware executed by the processor to service HTTP protocol and to generate HTML files;
input/output circuitry coupled to the processor; and
wherein the apparatus is embedded in the oscilloscope.
155. (Previously Presented) The apparatus of claim 154 further comprising oscilloscope-specific hardware coupled to the processor.
156. (Previously Presented) The apparatus of claim 154 wherein the processor also performs control and information monitoring and logging functions.

157. (Previously Presented) The apparatus of claim 154 wherein the processor executes communication software or firmware to drive the input/output circuitry.
158. (Previously Presented) The apparatus of claim 154 wherein the memory and the processor are on a single integrated circuit chip.
159. (Previously Presented) The apparatus of claim 154 wherein the memory and the processor are on a single integrated circuit chip, and wherein the input/output circuitry includes hardware that is on the single integrated circuit chip.
160. (Previously Presented) The apparatus of claim 154 wherein the web page is stored in the memory in HTML format.
161. (Previously Presented) The apparatus of claim 154 wherein the web page is generated on the fly.
162. (Previously Presented) The apparatus of claim 154 wherein the input/output circuitry is cellular transmitter/receiver circuitry.
163. (Previously Presented) The apparatus of claim 154 wherein the input/output circuitry is Ethernet input/output circuitry that is used to transfer HTML files.
164. (Previously Presented) The apparatus of claim 154 wherein the web page includes a hyperlink to an updated manual.
165. (Previously Presented) The apparatus of claim 154 wherein the web page includes a hyperlink to an updated software driver routine.
166. (Previously Presented) An apparatus for providing a web page for a device that is a spectrum analyzer, the apparatus comprising:
a memory configured to perform spectrum analyzer-specific functions and web server functions, wherein the web server functions include generating a web page that enables spectrum analyzer control functions;

a processor configured to perform spectrum analyzer-specific functions and web server functions, wherein the web server functions include generating the web

page that enables spectrum analyzer control functions, the processor being coupled to the memory;

software or firmware executed by the processor to service HTTP protocol and to generate HTML files;

input/output circuitry coupled to the processor; and

wherein the apparatus is embedded in the spectrum analyzer.

167. (Previously Presented) The apparatus of claim 166 further comprising spectrum analyzer- specific hardware coupled to the processor.

168. (Previously Presented) The apparatus of claim 166 wherein the processor also performs control and information monitoring and logging functions.

169. (Previously Presented) The apparatus of claim 166 wherein the processor executes communication software or firmware to drive the input/output circuitry.

170. (Previously Presented) The apparatus of claim 166 wherein the memory and the processor are on a single integrated circuit chip.

171. (Previously Presented) The apparatus of claim 166 wherein the memory and the processor are on a single integrated circuit chip, and wherein the input/output circuitry includes hardware that is on the single integrated circuit chip.

172. (Previously Presented) The apparatus of claim 166 wherein the web page is stored in the memory in HTML format.

173. (Previously Presented) The apparatus of claim 166 wherein the web page is generated on the fly.

174. (Previously Presented) The apparatus of claim 166 wherein the input/output circuitry is cellular transmitter/receiver circuitry.

175. (Previously Presented) The apparatus of claim 166 wherein the input/output circuitry is Ethernet input/output circuitry that is used to transfer HTML files.

176. (Previously Presented) The apparatus of claim 166 wherein the web page includes a hyperlink to an updated manual.

177. (Previously Presented) The apparatus of claim 166 wherein the web page includes a hyperlink to an updated software driver routine.